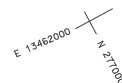


PROJECT DEPTH 28.5  
L.W.D. 570.9'



**DIRECTIONS**

ALL DIRECTIONS ARE GRID AZIMUTHS  
REFERRED TO NORTH ZERO.

PROJECT DEPTHS ARE AS SHOWN ON DRAWING.

THE AUTOMATED ELECTRONIC SURVEY WAS  
CONDUCTED BY FREDRICK J.W. DOUGLAS, PARTY  
CHIEF, ASBOARD THE USACOE SURVEY VESSEL WHE

AUTOMATED EQUIPMENT USED

AUTOMATED EQUIPMENT USED

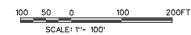
POSITIONING:	TSS POS-MV
DATA PROCESSOR:	DELL 330 PC
SOFTWARE:	HYPACK
PLOTTER:	CADJET 2
SONIC SOUNDER:	RESON SEABAT 8125

NOTES:

1. GAGES USED WERE OBTAINED FROM NOAA ELECTRONIC GAGE HOUSE IN RYANDOTTE, MICHIGAN. CANADIAN GAGE WAS OBTAINED BY AMSTERBURG PHONE RECORDING.
2. POSITIONS WERE DETERMINED BY GPS REFERENCE BEACON 039, LOCATED AT FORT WAYNE DETROIT, MICHIGAN - FREQUENCY 519 KHZ, 200 BPS
3. DEPTH MEASURED USING SEABAT 8125 ULTRA HIGH RESOLUTION FOCUSED MULTIBEAM ECHOSOUNDER SYSTEM

AUTOMATED EQUIPMENT USED

POSITIONING:	TSS POS-MV
DATA PROCESSOR:	DELL 330 PC
SOFTWARE:	HYPACK
PLOTTER:	CADJET 2
SONIC SOUNDER:	RESON SEABAT 8125



NO.	DATE	REVISION			BY
<b>U.S. ARMY ENGINEER DISTRICT, DETROIT</b>					
<b>CORPS OF ENGINEERS</b>					
<b>DETROIT, MICHIGAN</b>					
DESIGNED BY:		DETROIT AREA OFFICE		14 JULY 2003	
<b>DETROIT RIVER, MICHIGAN</b>					
DRAWN BY:		<b>EORCE REACH CHANNEL</b>			
CHECKED BY:		<b>CS 9005+50 TO CS 940+00</b>			
REVIEWED BY:		<b>MULTI-BEAM SWEEP SURVEY RESULTS</b>			
<b>MINIMUM STRIKE PLOT</b>					
SUBMITTED BY:		APPROVAL RECOMMENDED:		DATE	
CHIEF, PROJ. OPS. SEC.		CHIEF, OPERATIONS TECHNICAL SUPPORT BRANCH		P.E.	
APPROVES:		SCALE AS SHOWN		DRAWING NUMBER	
CHIEF, CONSTRUCTION - OPERATIONS DIVISION		P.E.		SHEET 2 OF 2 8F28703.dgn	